

**AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all prior versions, and listings, of claims in the application:

**Listing of Claims**

1-7. (Cancelled).

8. (New) A transmission unit, comprising:

a first unit receiving scheduled first data for transmission on at least a first channel;

a power control unit for the first channel responsive to a respective closed loop power regulation signal under which at least the transmit power rate of change is limited to a predetermined value per time unit;

a packet data scheduler scheduling second data packets for transmission on at least a second channel at an actual power level; and,

a power amplifier amplifying and outputting the scheduled first and second data, wherein the outputted first and second channels are subject to interference from one another, and wherein the packet data scheduler is operative to:

receive the first scheduled data;

determine a possible power at a given instance as the maximum value of either the actual power at a previous instance or the possible power determined at a previous instance, decreasing the maximum value by a predetermined value (d); and,

determine a permitted power at a given instance as the maximum value of either the actual power of a previous instance added with the predetermined value (d) or the determined possible power.

9. (New) The transmission unit according to claim 8, wherein the packet data scheduler is further operative to, as a function of the available second data to be transmitted, schedule the second data at a power level lower or equal to at least the permitted power.

10. (New) The transmission unit according to claim 8, wherein the packet data scheduler is further operative to:

determine a remaining power as the total power budget remaining for high speed packet data transmission after scheduling of common and dedicated channels;

determine an available power as the minimum value of either the permitted power or the remaining power; and,

determine a remaining power as the total power budget remaining for high-speed packet data transmission after scheduling of common and dedicated channels.

11. (New) The transmission unit according to claim 10, wherein the packet data scheduler is further operative to, as a function of the available second data to be transmitted, schedule the second data at a power level lower or equal to at least the available power.

12. (New) The transmission unit according to claim 8, wherein the first and second channels are coded using code division multiplex access (CDMA) coding.

13. (New) The transmission unit according to claim 12, wherein the second data packets are high-speed data rate packets (HSPDA).

14. (New) A method of scheduling and transmitting data packets to user entities, wherein channels are subject to interference from one another, comprising the steps of:

receiving first scheduled data (pertaining to at least a dedicated channel;

determining a possible power at a given instance as the maximum value of either the actual power at a previous instance or the possible power determined at a previous instance, decreasing the maximum value by a predetermined value (d);

determining a permitted power at a given instance as the maximum value of either the actual power of a previous instance added with the predetermined value (d) or the determined possible power; and,

scheduling and transmitting packet data on at least a second channel, whereby the actual power is held within at least the permitted power.

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